

UK ROOFING
AWARDS
2021

 NFRC

UK ROOFING AWARDS 2021

PROGRAMME

5 NOVEMBER 2021

InterContinental London–The O2

HEADLINE SPONSOR



 NFRC
LEADING ROOFING EXCELLENCE

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WELCOME



A warm welcome to the UK Roofing Awards 2021.

As the year draws to a close, it is great to be able to bring so many people together once again at the O2, to celebrate the best of our industry after what has been a very challenging period for us all. It is fantastic that your support has made this year's Awards the largest in its history.

Obviously, we were unable to hold a live event for the 2020 Awards due to Covid-19 restrictions.

We took the decision, however, to still go ahead with the judging of last year's Awards earlier this year and our congratulations go to all those who won an award. The 2020 winners will be duly recognised later today.

I wish all those who have been shortlisted for an award this afternoon the best of luck. As you will see in this programme, the calibre of the shortlisted projects this year has once again been outstanding, demonstrating the highest level of workmanship.

I would especially thank all our sponsors, who have made today possible—your support during a very difficult period has been most appreciated. Also, a special word for our internal team under Tennant's management for their exceptional commitment to making today happen.

Thank you also for your attendance today, and I hope you have a fantastic day.



James Talman

Chief Executive, NFRC



UK ROOFING AWARDS 2021

PROGRAMME

12:00 – 13:00

BMI Drinks Reception

13:00 – 17:00

Awards Ceremony hosted
by Tiff Needell:

- WELCOME BY NFRC
CHIEF EXECUTIVE,
JAMES TALMAN
- INTRODUCING THE
PRESIDENT'S CHOSEN
CHARITY, EPILEPSY SOCIETY,
BY KEVIN M TAYLOR
- STARTER
- MAIN COURSE
- NFRC INDIVIDUAL HEALTH
AND SAFETY AWARD
- YOUNG ROOFER OF
THE YEAR AWARD
Sponsored by BMI
- LOCAL HERO AWARD
Sponsored by SIG Roofing
- INDUSTRY CHOICE AWARD
*Sponsored by Radmat
Building Products*
- DESSERT
- TEA AND COFFEE

- Celebration Video of
the UK Roofing Awards
2020 winners

- Remembering those
we have lost

2021 WINNERS

- ROOF SLATING AWARD
Sponsored by Cupa Pizarra
- ROOF TILING AWARD
Sponsored by Marley
- HERITAGE AWARD
*Sponsored by Skyline
Roofing Centres*
- GREEN ROOFING AWARD
Sponsored by GRO
- SHEETING AND
CLADDING AWARD
Sponsored by EJOT
- RAINSCREEN AWARD
Sponsored by Siderise
- FULLY-SUPPORTED
METAL AWARD
*Sponsored by
Metal Solutions*
- SINGLE-PLY ROOFING
AWARD—*Sponsored by
Recticel Insulation*
- BITUMINOUS HOT
APPLIED LIQUID
WATERPROOFING AWARD
Sponsored by Axter
- COLD APPLIED LIQUID
WATERPROOFING AWARD
*Sponsored by
TN International*
- MASTIC ASPHALT AWARD
Sponsored by WJ Horrod
- REINFORCED BITUMEN
MEMBRANES AWARD
Sponsored by Sika
- SMALL-SCALE PROJECT
<£25K AWARD
Sponsored by FAKRO
- MULTI-DISCIPLINE
LARGE SCALE PROJECT
>£250K AWARD
*Sponsored by
Chandlers Roofing Supplies*
- ROOF OF THE YEAR AWARD
Sponsored by SIG Roofing

17:00 – 20:30

BMI After-show Party

21:00

Carriages

THIS YEAR OUR PRESIDENT'S CHOSEN
CHARITY IS EPILEPSY SOCIETY

**epilepsy
society**

THANK YOU TO ALL OUR 2021 AWARDS SPONSORS



HEADLINE SPONSOR



KNOWLEDGE PARTNER



DRINKS AND AFTER-SHOW PARTY SPONSOR



TODAY'S MENU

STARTER

Salad of three beetroots and goat cheese mousse (v)

with green asparagus, pickled vegetables,
candied hazelnuts, lime dressing and
focaccia crouton

MAIN

Slow-cooked feather blade of beef and stewed puy lentils

with autumn vegetables, green beans, baby
carrots, caramelised shallots, tarragon, and
red wine sauce

VEGETARIAN MAIN

(pre-ordered)

Herb-gratinated courgettes and Port Salut cheese fritters (v)

with roasted butternut squash and
green pea sauce

DESSERT

Mango delice

with passion fruit coulis and white chocolate
and pistachio shard

WINES

White

2018 Catarratto, Casa Mia,
Sicily, Italy

Red

2018 Monastrell, Molino Loco,
Murcia, Spain

TODAY'S HOSTS



HOST: **Tiff Needell**

Tiff Needell is a former Grand Prix driver who spent most of his professional career racing in the World Sportscar Championship, including fourteen Le Mans 24 Hour races where he had a best result of third in 1990.

He is however perhaps better known as a former presenter of *'Top Gear'*, starring alongside Jeremy Clarkson and Quentin Willson throughout the nineties before the show was taken off air.

Tiff then helped to create *'Fifth Gear'* which he presented through to 2018 and in 2020 returned to TV in a brand new car show *'Lovecars On The Road'* for ITV4 while he still films reports for the *'Lovecars'* YouTube channel.

Tiff recently wrote his autobiography *'Tiff Gear'* and still races whenever the opportunity arises which is mainly in historic events like the Goodwood Revival.



VOICE OF GOD: **Neil Bentley**

Neil Bentley was one of Heart 106.2's key DJs. Also a former Capital FM Double Top 20 presenter, Neil co-hosted the station's Party in the Park, introducing high-profile acts to a 100,000-strong crowd.

Neil is also a hugely-experienced voiceover artist. As well as providing the voice of Britain's Got Talent, he has worked on hundreds of awards ceremonies and featured on ad campaigns for Asda, Next and Dominos Pizza.

For live events Neil's VJ sets mix video, company logos and live on-screen action with guaranteed floor-fillers—with or without accompaniment from musicians and club acts.

Neil now runs his own boutique corporate video production company.

AMELIA'S FUND

SUPPORTING EPILEPSY SOCIETY'S GENOMICS RESEARCH

For more information please visit
epilepsysociety.org.uk

Epilepsy Society is a registered Charity No. 206186

Fundraising QR code
to go here

Please donate now to
Amelia's Fund by
scanning the QR code
with your smart phone



UK ROOFING AWARDS JUDGES



MATTHEW DOWNS—Awards Adjudicator

Editor, Total Contractor

Matt is co-owner and Editorial Director of Media Now Ltd., a B2B publishing house specialising in magazines and digital content for the construction sector. Media Now's titles include Total Contractor, a monthly magazine dedicated to operatives working within the roofing, cladding and associated sectors; Total Installer which provides advice and guidance for glazing installers and home improvement specialists, and Total Fabricator which targets all those involved in the fabrication of windows, doors, conservatory roofs and associated products.



JOHN AUSTINE FIOR

John's career spanning some 50 years has all been within the construction industry and for over 30 years in a managerial position. He has contributed to the expansion and development of three roofing and construction contracting companies whilst heading-up the operational side of their businesses. In all three companies the whole spectrum of roofing works were undertaken, including Pitched, Flat to Pitched conversions, RBM, Mastic Asphalt, Liquid Waterproofing and leadwork.

His last role as Technical Director for Langley Waterproofing Systems Ltd involved representing the company within trade organisation governing bodies such as the NFRC, SPRA, GRO and LRWA, all of which can influence positive changes within our industry. He also represented the Company on the Technical Committee of the NFRC. John is a fellow of the Institute of Roofing.



JOHN DODD FIOR

John Dodd Consulting Ltd

John has 50 years' experience in the construction industry and now runs a consultancy business specialising in technical advice, specifications, training, technical literature and articles, and investigative work on pitched roofing and cladding projects. He is a Fellow of the Institute of Roofing and prior to being employed as Technical Manager for roofing and building materials manufacturer Marley, trained as an architect and worked as an architectural assistant for both local authorities and private architectural practices.

He is currently Chairman of British Standards Technical Committee B/542 responsible for eleven sub-committees dealing with pitched roofing and cladding products for discontinuous laying and is also a member of the European CEN/TC 128 mirror committee. He is also chairman of B/542/1 responsible for BS 5534 'Slating and tiling for pitched roofs and vertical tiling—Code of practice' and BS 8000-6 Workmanship on building sites—Part 6: Code of practice for slating and tiling of roofs and walls', and is a member of the NFRC Roof Slating & Tiling Committee and the Roof Tile Association Technical Committee.



PAUL BUSSEY

Technical Design: CDM/Fire/Access Lead—Allford Hall Monaghan Morris

Paul is an architect with over 40 years of experience of architectural practice in small, medium and large practices in the UK and abroad. Over this period he has developed a specialist technical design expertise in the application of all types of building related legislation and constructional guidance. He is the London representative of the in-house AHMM Technical Consulting team who research current and best practice technical solutions on all projects.

Paul developed the concept of "CDM Differently" with the introduction of the 2015 CDM Regulations.



IAN ROBERTS

Technical Advisor—Construction and Utilities, City & Guilds

Like many in his generation, Ian started his career as an apprentice bricklayer/mason and then moved on to establish a successful construction company. He further enhanced his career as a full time lecturer within further education for over 20 years. During this period, Ian received an invitation to become a consultant with City & Guilds, a role he eagerly accepted and now currently spans over 30 years culminating in his current role as Construction and Utilities Technical Advisor.

A career within the construction industry that spans over 45 years, Ian was appointed an honorary member of the City and Guilds of London institute in recognition of significant involvement, and outstanding contribution to, the furtherance of the work of the institute in technical and vocational education and training.



ANNA THOMPSON

LABC Head of Engagement FRICS

Anna Thompson FRICS C BuildE FCABE is a Chartered Building Control Surveyor and Chartered Building Engineer with over 35 years' experience in Local Authority Building Control. Previously Building Control Manager at East Devon District Council and Director of Training at LABC, Anna is now Head of Engagement. She works with local authority building control teams, partners and clients to improve understanding, competency, collaboration and standards.

Anna is a passionate advocate for exemplary building control, having previously been an LGA National Policy Advisor, part of the Core Cities Group for Public Safety and the LACORS Cowboy Builders Working Party and a member of the RICS Building Control Professional Group.

She is a Non-Executive Director of the National Home Improvement Council, a member of the CLC RMI Workstream Digital Taskforce, RMI Communications Taskforce and part of the Constructing Excellence Leadership Council. She is a Women in Construction Ambassador.

MEET THE HEADLINE SPONSOR

RADMAT BUILDING PRODUCTS

Radmat Building Products is an independent British company providing a range of waterproofing and insulation systems that will provide a lifetime's protection for the building's structure.

Our high-performance waterproofing materials, PermaQuik Hot Melt Monolithic, Eshaflex Reinforced Bitumen Membranes, ParaFlex & ReadySeal liquid applied coating and EshaPlan single ply membranes are backed by comprehensive guarantees and technical support.

Supplying only through Radmat Approved Contractors we provide comprehensive design and technical support to the entire construction team, aiding delivery of the right solution at the right price.

Whether new build or refurbishment our focus is on providing the most suitable waterproofing solution, taking into consideration requirements such as budget, design, aesthetics, thermal performance, drainage requirements, wind uplift resistance, safety, programme, build ability and ultimate client use.

Our long-standing relationships with some of the UK's leading clients, specifiers, surveyors, main contractors and specialist roofing contractors bear testimony to our levels of commitment to doing the job right first time, an attitude that has benefitted many prestigious projects across the United Kingdom.

Protherm Quantum

Demand for terraces, balconies and podiums has never been greater, but with the thickness limitation of traditional products there is a difficulty for a designer to insulate above a habitable space against a backdrop of increasing thermal requirements. This, together with the desire to maximise the glass façade and cater for a level threshold has created a near impossible task. ProTherm Quantum insulation, the only BBA Certified VIP panel, has been developed to offer a significant reduction in height without the loss of thermal performance, facilitating a revolution in the construction build and facilitating architects creating more elegance in the design of their external floor space.

Where is it best used?

On terraces, balconies, podiums and roofs where there is a requirement for thermal performance and any insulated area and where depth is critical to overall construction. Typically, this will be a new build application but ProTherm Quantum can also be used in refurbishment projects.

What can it help deliver?

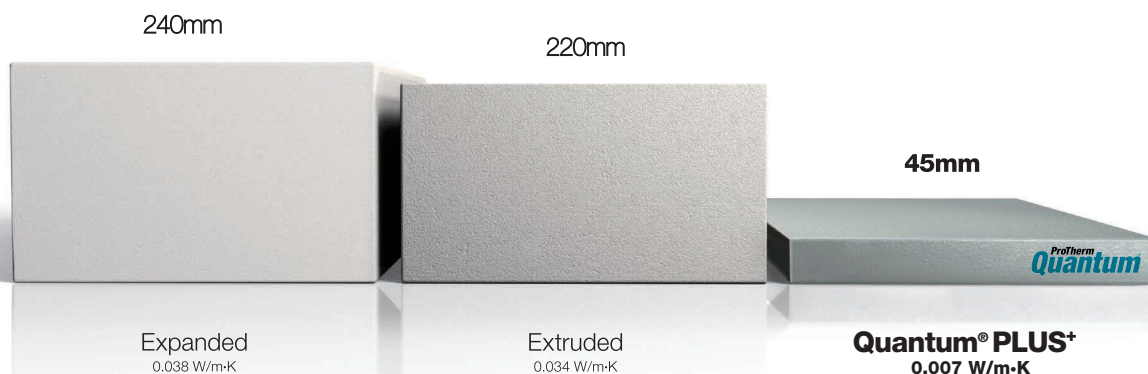
- **Building Regulation Part L compliance:**
exceptional performance
- **Building Regulation Part M compliance:**
level threshold to external balcony
- **NHBC Chapter 7.1 compliance:**
75 mm threshold clearance

ProTherm Quantum®

BBC Wood Lane, London W12

To meet the $0.20 \text{ W/m}^2 \text{ K}$ U-value within a shallow overall roof construction, **ProTherm Quantum® PLUS+** was used in a zero falls application on many private external roof terraces, providing level threshold access between internal and external spaces.

The world's **thinnest** inverted roof insulation just got thinner.



The depth of board to achieve an R-value of $6.250 \text{ m}^2 \text{ K/W}$ – rounded up to the nearest standard depth.

The market leading inverted roof insulation **ProTherm Quantum PLUS+** can be used within systems that meet the Broof(t4) fire requirements of Building Regulations Part B. Suitable for zero falls under hard or soft landscaping and BBA Agrément Certified 20/5769, ProTherm Quantum PLUS+ satisfies NHBC Chapter 7.1 flat roofs & balconies requirements and is protected by a robust coating. Patent protected.



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INDIVIDUAL AWARDS

YOUNG ROOFER OF THE YEAR AWARD

The Young Roofer of the Year award, will be awarded to a roofer or apprentice in recognition of their hard work and contribution to the roofing sector—through their approach, ability and skills. Nominations were open to anyone who wished to recognise an apprentice, a qualified roofer with no more than three years' experience or a roofing student.

BMI UK & Ireland is proud of their involvement in the awards and, like the NFRC, they believe in recognising and rewarding roofing talent, especially young roofers—who are the future lifeblood of the industry. This is something that BMI invest heavily in through their work at the BMI Academy, roofing colleges and their Apprentice of the Year competition.

SPONSORED BY



NFRC INDIVIDUAL HEALTH AND SAFETY AWARD

Roofing can be dangerous business so it is important that everyone involved in it has a good knowledge and awareness of Health and Safety. However, there are some individuals who go above and beyond, leading by example and actively promoting a safer working environment for everybody. This award recognises those worthy champions.



LOCAL HERO AND INDUSTRY CHOICE



LOCAL HERO AWARD

Sponsored by SIG Roofing

We all know a roofing contractor that has helped or still helps a worthy individual, group or charity or a local community/community project, so SIG Roofing asked their customers and the general public to nominate them.

The work, help and support they give didn't have to be roofing related, it's all about celebrating our unsung heroes. Nominations were made if they:

- Raised money for charity *or*
- Contributed their time to help others *or*
- Contributed their roofing skills *or*
- Have saved a life or someone from physical harm *or*
- Gave their time to help young or disadvantaged people



INDUSTRY CHOICE AWARD

Sponsored by Radmat Building Products

The Industry Choice award gives the industry a chance to vote for its favourite finalist through an open vote. Anyone can choose their favourite project across all of the finalists—a total of 56 projects across the 14 categories.

"We are delighted to be sponsoring this category as it really showcases the sheer variety, quality and ingenuity of all the projects that have reached the final. It also means that finalists have a second chance of winning even if they don't win their category."

Robert Speroni,
Managing Director,
Radmat Building Products



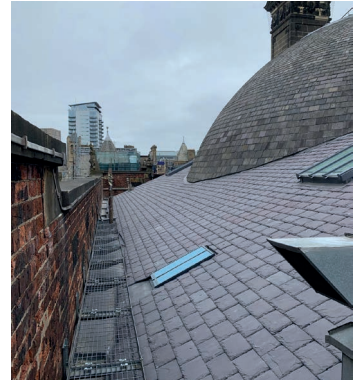
ROOF SLATING

HARWOOD ROOFING CONTRACTORS LIMITED

PROJECT NAME LEEDS TOWN HALL

MANUFACTURER Various products used

This project used both new Penrhyn Welsh slate and other reclaimed random Welsh slates and consisted of ten pitched roofs and a large half dome feature. All materials were taken up through a lift five stories high and walked around the perimeter gutters, which was incredibly labour intensive. The biggest challenge here was using random width slates, laid in diminishing courses on a dome feature. The slates were laid over TLX gold, a modern breather membrane and quilt insulation to increase the buildings U-value without increasing the depth or build-up of the roof covering.



SOUTHWEST ROOFING SERVICES

PROJECT NAME THE MARINE HOTEL, Troon

MANUFACTURER Cupa Pizarras

Marine Hotel is a Category C listed building in Troon on the Ayrshire coastline originally covered with traditional Scotch slate. As Scottish slate is no longer available, the project was reroofed with Cupa heavy 3 Spanish slates laid using varying widths and diminishing courses to replicate the original methods. The roof consists of 25 roof areas with 24 dormers in a coastal location which made the reroofing a difficult task, especially as the building remained occupied. One of the finer details on the roof was a conical turret which had to follow the original design and coursing. Two apprentices worked on the project.

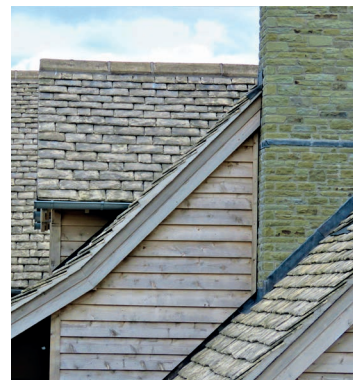


ROWLANDS ROOFING

PROJECT NAME OLD RADNOR

MANUFACTURER Various products used

Old Radnor is a new build detached oak framed house on the Welsh border. To be in keeping with the surrounding properties within Old Radnor, a Marshfield traditional reproduction stone tile was installed to help blend the house seamlessly into the countryside. On an exposed site, random diminishing stone tiles were installed accommodating three different pitches with four different datum heights per elevation, allowing the tiles to diminish from eaves to ridge and ensuring close-cut mitred valleys met correctly at the tails. The roof also incorporated roof lights that were in close proximity to the valleys and pediments. Four SAP apprentices took part in the build.



GREENOUGH & SONS ROOFING CONTRACTORS LTD

PROJECT NAME PRIVATE HOUSE, Anglesey

MANUFACTURER Various products used

This project is a private house built by a local stonemason in Anglesey. The project consisted of 250 m² of new Welsh slate 400 mm x 250 mm in size to be laid with a 100 mm headlap to suit the severe exposure of the area. In addition, the slates were graded into five different thicknesses rather than the standard three, to ensure an enhanced finish was achieved. The project incorporates mitred hips, clipped verges and ridges, which were both mechanically fixed and wet bedded. The key to this project was the setting out and the unbroken coursing around each roof pitch. A trainee progressed onto his Level Three slating qualification during the project.



ROOF TILING

CLARKE ROOFING SOUTHERN LTD

PROJECT NAME MANOR FARMHOUSE

MANUFACTURER Various products used

Manor Farmhouse is a Grade II listed farmhouse in East Sussex. The roof comprises Tudor handmade peg tiles with bonnet hips and purpose-made valley tiles which require careful setting out as the coursing had to continue around all roof slopes. There is a central lead gutter, several chimneys, and a lead clad dormer but the standout detail is the vertical tiled area and mansard tiling which combine into a hip detail. This project presented the opportunity to allow for some of their improvers to work alongside a heritage skilled tiler.



RICHARD SOAN ROOFING SERVICES

PROJECT NAME PENDYKE

MANUFACTURER Various products used

Pendyke is in East Sussex, and its roof is a traditional hand-cut, pitched roof with sixteen different roof slopes. Various details such as bonnet hips and tiled valleys meant all battening had to intersect around the property. There were also large ornate chimneys and various conservation roof lights to weather as well as lead run out gutters. The existing roof was boarded, so timber counter battens were fitted. The reroofing was completed with Sandtoft Goxhill plain tiles with traditional methods of detailing such as mortar bedding, which was important to retain the charm and character of the building.



EMERTON ROOFING (WESTERN) LIMITED

PROJECT NAME SEAFIELD HOUSE

MANUFACTURER Various products used

Seafield House is a family home in a Cheshire village. The project comprises Sandtoft tiles and incorporates an eyebrow dormer, arris hips and chimney shoulder details. Additionally, two existing flat roof dormers were converted to pitched roofs, where the roofers and joiners carefully coordinated to ensure that the new roof lines blended in seamlessly with the new roof coverings. The eyebrow dormer was adjusted to form a shallower curve by running the dormer out over a greater span to allow the tiles to perform better by laying on a slightly flatter plane. The chimney shoulders incorporated four individual small apex roofs covered in plain tiles with lead ridge and flashings.



N T SWEETING ROOFING CONTRACTORS LTD

PROJECT NAME THE GABLES

MANUFACTURER BMI Redland

The Gables has an expansive roof with an array of architectural features. The new roof had to stay true to the period detail of the property, and as such BMI rosemary classic plain tiles were used. The project includes a 75-degree conical turret and an octagonal spire with lead finial, along with four chimneys, arris hips and purpose-made valley tiles. With there being so many roof slopes all converging at different points on the roof, there was a need for continual coursing around the roof to ensure good detailing, which was a very challenging battening exercise.



HERITAGE ROOFING

SOUTHWEST ROOFING SERVICES

PROJECT NAME CRAIG HOUSE

MANUFACTURER Various products used

Craig House was originally a hospital and is now a 16th-Century Grade A listed building in Edinburgh. It was recently sold by Edinburgh Napier University for residential development. The project consisted of two separate buildings, Old Craig House and New Craig House, and included full replacement of the traditional Scotch and Westmorland slated roofs. Old Craig House was reroofed with the existing Scotch slate and had six square dormers with a large eyebrow dormer on the rear elevation. New Craig House was re-slated using new Vermont green slate and had closed piend hips and featured barrel top dormers. Two apprentices worked on the project, which furthered their training and development.



ELLIS & CO (Restoration and Building)

PROJECT NAME LITTLE SODBURY MANOR

MANUFACTURER Various products used

Little Sodbury Manor is a Grade I listed stone-built Cotswold manor house dating back to the 15th century in South Gloucestershire. Only the main hall has survived from the original building. The roof coverings consisted of lead, stone and clay tiles. On the main roof slopes, both Cotswold and sandstone-derived tiles had been laid together which can be problematic as these two different products have different lifespans. All stone tiles were stripped from the roof to be sorted into types and assessed to see if they could be reused. This process took seven people over two months to complete. Tiling, leadwork and stonemason apprentices all worked on this project.

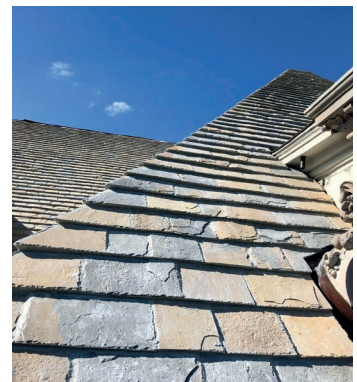


CLAUDE N SMITH LTD

PROJECT NAME OLD WESTBURY MANSION HOUSE

MANUFACTURER Various products used

Old Westbury was built in New York, USA, in 1906. This was at the request of an English woman who married an American but then refused to move to the USA with him unless he built her an English home using English materials. The roof is made up of Collyweston stone slates and is the only Collyweston stone slate roof outside the UK. It took several months for special visas to be granted for the operatives. A total of 500 m² of Collyweston stone was exported to the US. The roof is made of standard Collyweston details—mitred hips and laced valleys, which are typical of Collyweston roofs.



GREENOUGH & SONS ROOFING

PROJECT NAME SOSPAN

MANUFACTURER Various products used

Sospan is a 17th Century Welsh townhouse in Dolgellau, Snowdonia. The project used Cwt-y-Bugail random Welsh slates ranging between 16-10 inches to replicate and replace the badly deteriorated original Welsh slate. The standout detail of this project is the single cut valleys. These are known as 'single-cut' swept valleys, having no metal soakers in them. They are weatherproofed using only the slate itself as well as the skill and knowledge of the craftsmen particular to the area, in and around Dolgellau in the Snowdonia National Park. There are very few examples of this type of valley left. Two apprentices worked on the project to progress their Level 3 in Heritage Slating.



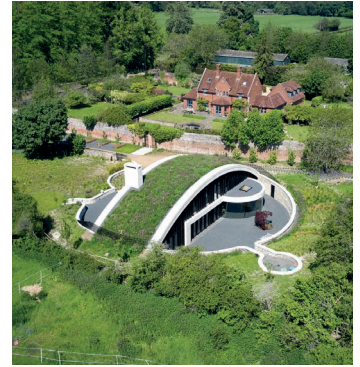
GREEN ROOFING

SKY GARDEN LTD

PROJECT NAME ASHRAYA

MANUFACTURER Various products used

For this project, the brief was to provide a pitched roof extensive wildflower system to a large barrel roofed domestic dwelling near Tring, Hertfordshire. The single largest issue faced by the contractor on this project was the pitch of the barrel roof. At either end, the pitch exceeded 36 degrees presenting various retention concerns. Due to the complex pitch, retention cells and respective anchors were installed to ensure the green roof remained in place. The contractor worked closely with the material suppliers to ensure continuity during the installation. A substrate to a depth of 150 mm was applied to whole vegetated area, along with an irrigation system, before the wildflower blanket, which was cable tied together to stop slippage. This is an unusual green roof project which really stood out to the shortlisting team.



MALONE ROOFING

PROJECT NAME THE CENTRE FOR AGRICULTURAL AND BIOSCIENCES INTERNATIONAL (CABI)

MANUFACTURER Bauder UK

The Centre for Agricultural and Biosciences International (CABI) is an inter-governmental, not-for-profit organisation that improves people's lives worldwide by providing information and applying scientific expertise to solve problems in agriculture and the environment. This new construction comprised of a 2000 m² curved roof that was designed to blend into the building's natural environment. The curve of the roof, which at some points reached a pitch of over 30 degrees, posed several challenges. Retention strips were added to the design to hold the sedum in place securely and prevent any slippage. This is a project that is sympathetic to the surroundings, and this is what stood out to the shortlisting team.

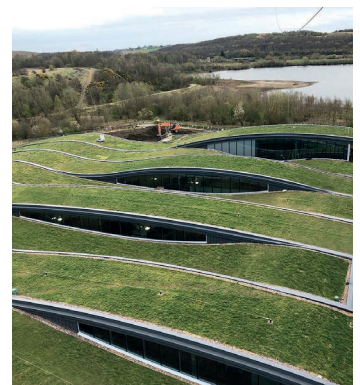


CAWSTON SPECIALIST ROOFING LTD

PROJECT NAME LEEDS SKELTON LAKE MOTORWAY SERVICES

MANUFACTURER ABG

The Leeds Skelton Lake Motorway Services delivers a 'new concept' building design at Junction 45 on the M1. The services are located adjacent to Skelton Lake, a 40,000 m² area of ecologically diverse country park, two miles southeast of Leeds city centre. Designed as part of the development's 'landscape mitigation and green space strategy', the living roof and timber eaves closely echo the nearby woodland and lakeside habitat, blending seamlessly with the country park backdrop. To minimise the visual impact of the development on the natural landscape and local wildlife, the main amenity building features an oversailing, undulating green roof. The roof is configured in a 'ribbon' pattern over eleven separate sections and the green roof also plays an important function as part of the site's overall sustainable drainage strategy, by absorbing rainwater and minimising surface water runoff.

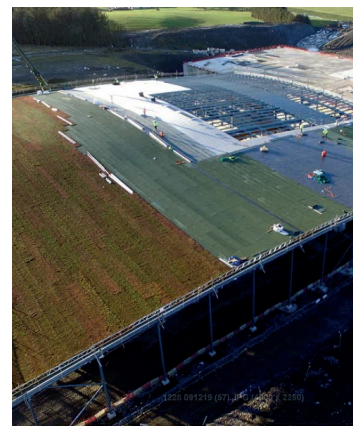


BRIGGSAMASCO

PROJECT NAME WILLIAMSGATE WATER TREATMENT WORKS

MANUFACTURER Bauder UK

Williamsgate Water Treatment Works is a new treatment facility in North-West England. Before commencement, safety nets were installed to the steelwork to prevent falls from height, and a proprietary edge protection system, including debris netting, was installed to the perimeter. Once the decking was installed, the contractor had a safe working platform. However, the curve of the roof and the cold weather introduced the risk of slips and trips, so rubber protection tiles to form walkways for safe access and egress were provided. The 8,100 m² building was topped with sedum as part of a sustainable, aesthetically pleasing installation to help it blend with the surrounding countryside. To reduce the manual handling, the contractor ordered the large rolls of the Sedum blanket—2 m x 10 m—and installed them using a crane and lifting attachment, thus eliminating most of the manual lifting for this part of the installation. What stood out to the shortlisting team was the sheer scale of this project and that the contractor had delivered a functioning biodiverse green roof on such a large scale.



SHEETING AND CLADDING

RONALD G GRAHAM ROOFING AND BUILDING LIMITED

PROJECT NAME BENRIACH DISTILLERY

MANUFACTURER Various products used

BenRiach Distillery is a bonded warehouse based in close proximity to Edinburgh Airport. This project involved the removal of Chrysotile asbestos cement sheets from a live bottling plant ensuring no disruption to production. The roof was in an extremely poor condition as the Chrysotile sheets were fragile and at risk of blowing off from wind. To facilitate safe removal a purpose-built containment tent was erected at roof level. Once the sheets had been removed a new non-combustible twin skin cladding system was installed including new membrane-lined valley gutters and a new trim line external gutter system.



INDUSTRIAL CONSTRUCTION (SUSSEX) LIMITED

PROJECT NAME DURRINGTON HIGH SCHOOL

MANUFACTURER Various products used

This new sports hall at Durrington High School was constructed within the existing school grounds and whilst the school was operational. The works consisted of horizontally installed Kingspan composite panels in bands of Azure Blue, Goosewing Grey, and Gull Grey on the walls. As the sheeting rails were also installed in a horizontal orientation, then a secondary vertical support system had to be installed first to facilitate the attachment of the panels and the roof comprised of a curved Euroclad SF500 site rolled twin skin roof system with external gutters and downpipes.



BRC INDUSTRIAL ROOFING (MIDLANDS) LIMITED

PROJECT NAME OLD WALLPAPER FACTORY

MANUFACTURER Various products used

This project involved a full refurbishment of an old wallpaper factory's ageing roofs. 18,000 m² of chrysotile asbestos roof sheets had to be removed and replaced with Kingspan composite panels. Being mixed-occupancy units, some areas were unoccupied, whilst other areas were fully occupied during the refurbishment work. The new roof sheeting comprised 100 mm thick Kingspan Quadcore RW/1000 composite panels and rooflights as well as an 83 mm thick composite panel on the vertical areas. Valley gutters were lined using Kingspan membrane coated metal gutter liners, which not only provided a long-term weathering solution, but also improved the capacity of the existing valleys without having to replace the original gutters.



DAVID JAMESON ROOFING SERVICES LIMITED

PROJECT NAME THALES AIR DEFENCE, Belfast

MANUFACTURER Various products used

Thales design and build electrical systems and provide services for the aerospace and defence industry, and so were active throughout the duration of the works. This project consisted of the removal of the old chrysotile asbestos cement roof sheets and replaced with a non-combustible insulated twin skin roof system, rooflights and a membrane lined valley gutter system. Part of the works also included the removal of the existing Georgian wired 3 m high north lights which were replaced with the same non-combustible twin skin cladding system.



RAINSCREEN

TA COLBOURNE PROJECTS LIMITED

PROJECT NAME BOURNEMOUTH UNIVERSITY GATEWAY BUILDING

MANUFACTURER Various products used

This building is the new home for the Faculty of Health and Social Sciences at Bournemouth University and stands at 33 m high at its highest point, incorporating nine storeys, with a tiered flat roof and splayed footprint design in the shape of a circle quadrant. The rainscreen on this project consists of Optima IPC Interlocking pressed 2 mm thick aluminium planks anodised in Regency Gold 1, Natural Anodised Silver 100A and Anolok 541 Bronze, in both a solid and perforated panel. The contractor also took responsibility for the Metsec framework installed between concrete floors to ensure that it was lined and levelled to the correct tolerance for the rainscreen system.

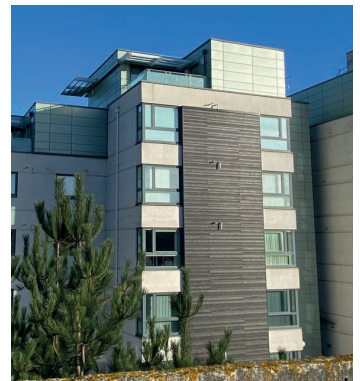


SPV GROUP

PROJECT NAME THE HAMPTONS, Gillingham

MANUFACTURER Various products used

This is a refurbishment project that forms part of the government cladding remediation scheme. The Hamptons is an exclusive development of apartments in Gillingham Marina, and the whole development had been on fire watch since the Grenfell tragedy due to the original cladding not being installed correctly or to specification. The works consisted of the removal of the defective cladding and to install new insulation, a new adjustable carrier system, cavity barriers and rainscreen panels. The rainscreen consisted of Cedral boarding in lieu of the timber and new aluminium panels all undertaken whilst the building was fully occupied.

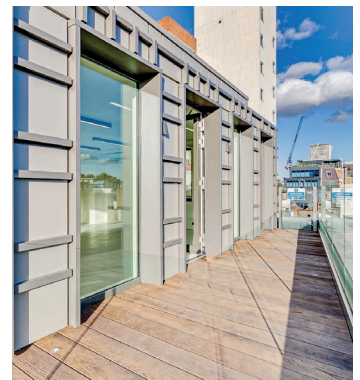


LONGWORTH BUILDING SERVICES LIMITED

PROJECT NAME MARSHALL STREET, London

MANUFACTURER Various products used

This project is a redevelopment of an existing office building located adjacent to Carnaby Street in the heart of Soho. The system comprises of mill finish aluminium brackets which were fixed to the back of the structure, then Proteus PPC aluminium mullion rails were fixed to the brackets running vertically in order to provide a sub-frame for the rainscreen. The vertical fins were attached to the wider than normal vertical mullions and the horizontal fins were attached to the face of the panels from the rear, so there are no visible fixings. This design of horizontal and vertical fins attached to the outside face of the aluminium rainscreen was a new system created for this project.



INDUSTRIAL CONSTRUCTION (SUSSEX) LIMITED

PROJECT NAME SOUTHBOROUGH HUB

MANUFACTURER Various products used

The Southborough Hub in Kent is designed to provide a flexible, multi-use community space, including a library, community hall, medical centre, council offices and a retail unit. The rainscreen consisted of vertically installed brown Kerratwin K20 tiles, Southborough red window recess infills to the medical centre and horizontally installed Southborough red Kerratwin K20 tiles in to the community centre. To the base and lower-level walls of the medical and community centres was installed dark grey Corium brick slips on a carrier support system complete with Parex mortar pointing and diamond-shaped zinc shingles.



FULLY-SUPPORTED METAL

CITY BUILDING (GLASGOW) LLP

PROJECT NAME CITY CHAMBERS, Glasgow

MANUFACTURER Various products used

This was a refurbishment project of an imposing building overlooking George Square built in 1888, where the existing lead roof and gutter works, including all associated flashings, were removed and replaced. As it is a Grade A listed building, care and attention were required to ensure the new roofing material was installed in a like-for-like manner with the original. Code 8 lead was installed using the traditional method of mop roll jointing. During the works, local architecture students attended the site to witness first-hand the use of this traditional material.

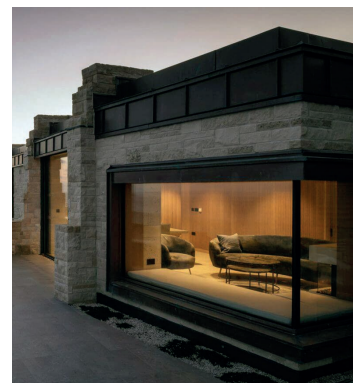


ROLES BRODERICK ROOFING LIMITED

PROJECT NAME CLIFF TOPS

MANUFACTURER Various products used

A bespoke luxury hotel situated along the cliff line in Portland. The hotel was designed to have a minimal impact on the landscape, with single storey buildings built with local stone and natural materials, all to weather and blend with the immediate surroundings. The cladding works consisted of mill finish Aurubis copper including the fascia, soffit, and capping elements where a combination of 0.7 mm and 1 mm thick was used. Being only single-storey, the roof was at eye level, so the utmost care was required in the installation, and all the works were completed using traditional techniques and tools.



LONGWORTH BUILDING SERVICES LIMITED

PROJECT NAME LGBT CENTRE, Manchester

MANUFACTURER Various products used

Manchester's LGBT+ centre is a thriving youth and community centre based on Sidney Street in the heart of the city. The original building was demolished and replaced with a three-storey community centre featuring a café, community rooms, library, and a city-centre roof garden. Aurubis Nordic Royal copper was installed in a traditional method, with flat lock welt joints. To ensure the quality and consistency of the panels, they were manufactured offsite in a workshop where the coils were slit into the specified lengths and then notched and folded and delivered to site. One of the main complexities of the project was the setting out of the panels—the architect had specified that the joints were to be staggered around the head and cills of the window openings.

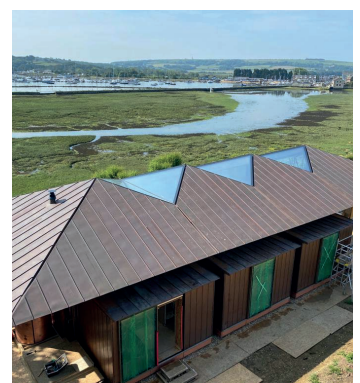


ROLES BRODERICK ROOFING LIMITED

PROJECT NAME THE PAVILION, Isle of Wight

MANUFACTURER Various products used

The Pavilion is a contemporary glass and copper structure with views over the Solent. The roof area is made up of four pyramid-shaped copper roofs with integral glazing units. The roof was installed in traditional 25 mm high standing seams using the 0.7 mm thick Tecu Premium coil material and involved complex design and installation to achieve the integral internal gutter system within each roof hip. The cladding areas were fitted in a 1 mm thick Tecu Premium interlocking box and pan panel format. They included a drum feature with 0.7 mm copper wrapped around a boiler housing with the contrasting flat 1 mm interlocking panels of the walls. The interlocking panels were used in both vertical and horizontal planes.



SINGLE PLY ROOFING

CONTOUR ROOFING (ESSEX) LIMITED

PROJECT NAME OCL FACADES LTD (Head Office)

MANUFACTURER Sika Sarnafil

Forming part of a complete refurbishment of a warehouse building, both internally and externally, this project involved waterproofing an existing pre-layer felt system roof, which was found to be leaking in multiple places. The client also wanted the roof's six existing north rooflights to be covered, which were prism-shaped—a huge challenge in terms of the shape, angles, and the sheer number of them. The new system was to be overlaid over the existing roof covering, utilising it as an Air and Vapour Control Layer (AVCL), fully bonded insulation board and fully bonded single ply sheets, which were hot aired welded at the joints. The building's prism-shaped rooflights were by far the most complex part of the job, resulting in a lot of cutting work and following strict plans of work. As the pandemic hit, fun catchphrases were also used by the contractor to boost his operative's morale, taking the sting out of the challenging times and keeping the message clear about social distancing.



DF ROOFING LTD

PROJECT NAME ST JOHNS HILL

MANUFACTURER Soprema UK

This refurbishment project involved the alteration of existing offices to 35 one-and two-bed apartments. The roofing contractor was appointed to remove the old lead roof which was replaced with a brand new warm constructed single ply system with a standing seam profile finish. The installation was very involved—incorporating the mansard, dormer windows, front vertical panelling, and box gutters into the design. The contractor encapsulated the parapet copings with the membrane as a new capping to the outside edge.



ASHTON BUILDING SYSTEMS SCOTLAND LTD

PROJECT NAME ST MARY'S EPISCOPAL CHURCH

MANUFACTURER Moy Materials (Protan)

The church of St. Mary's opened its doors in 1984 and after 35 years of service, the roof was started showing signs of deterioration beyond repair. After surveying the roof, it was decided that the existing roof coverings need to be stripped off and disposed of. A warm roof system was specified which consisted of a loose laid polyethylene Air and Vapour Control Layer (AVCL), acoustic mat, 140 mm flat foil faced insulation board, and a 1.6 mm dark grey single ply membrane mechanically fixed. To overcome the many changes in the angles, a specialist scaffolding contractor was selected by the roofing contractor to design and supply an appropriate scaffold solution to access these areas. With a pitch of more than 60°, operatives would not have been able to stand on this portion of the works. Therefore a ladder system was designed and incorporated into the scaffolding. The complexity of the project and finish that the contractor have achieved stood out to the shortlisting team.

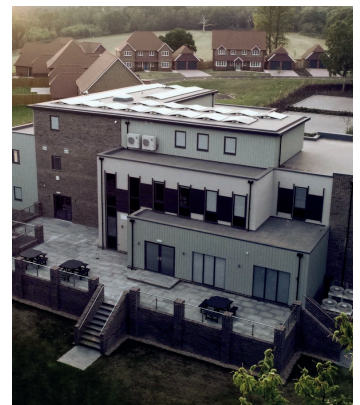


INVICTUS ROOFING LTD

PROJECT NAME THE WARREN

MANUFACTURER Protan UK

This project involved a complex multi-level single ply installation for the new head offices of a construction company, involving eleven separate new build flat roofs across three different roof levels. The very nature of the multi-level multi-roofed building meant that the ratio of parapet upstand, abutments and detailing to the building was much greater than on standard roof areas. The main roof housed 56 PV panels to service the buildings electrical requirements. The one area of complexity was the balustrade that was designed to fix to the fascia of the building. A requirement from the architect was that the terrace paving abutted with the glass balustrade with no gap. A concern that became apparent was that, with this design, there was no protection from the flagstones knocking into the glass. To overcome this, the contractor designed a balustrade weathering detail to protect the glass from the paving.



BITUMINOUS HOT APPLIED LIQUID WATERPROOFING

NRA ROOFING & FLOORING SERVICES LTD

PROJECT NAME CAMPBELL WHARF

MANUFACTURER Axter Ltd

Campbell Wharf is a mixed-use development in Central Milton Keynes. It comprises 380 new homes, a marina, and a canal-side pub. The manufacturer was asked to design the waterproofing systems for the development, incorporating three blocks with numerous different roof levels, including balconies, terraces, and a sloped podium. The details between the hard and soft landscape in the podium area required special attention due to the different levels around the building, and the contractor completed the work to a high standard that was in line with the manufacturer's Quality Assurance (QA) process.

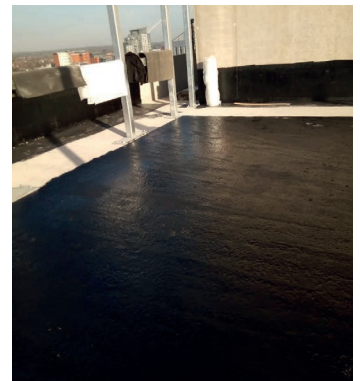


MALONE ROOFING (NEWBURY) LTD

PROJECT NAME OLD LIBRARY, Slough

MANUFACTURER IKO Permatex

The old library was demolished to build a nine-storey complex with a 244-room hotel. Hot melt was the chosen waterproofing due to the complex detailing and the robustness of the finished membrane, especially as many of the roof areas were to be accessible. All roofs and terraces had the same build-up apart from the finishes, which differed—these were a mixture of paving slabs and cobbles. The contractor also had trainees working on this project where they were able to gain valuable experience on what it was like working on such a large project.



ICS LTD

PROJECT NAME VEGA CONTROLS, Ashdown Business Park

MANUFACTURER Danosa

This project was the construction of a new headquarters building for a global manufacturer. The roof's green credentials were achieved using a sedum green roof, not only to encourage local wildlife and insects but to naturally slow the flow rate of rainwater from roof level to ground level. A self-ballasted PV solar system was also installed to provide additional electricity. The operatives working on the project all held approved installer cards for the hot melt system, obtained by attending and passing the manufacturers in-house training school. Regular Quality Assurance (QA) site inspections were carried out by the manufacturer's field technicians, who provided additional onsite advice and guidance to the install team for the trickier details.

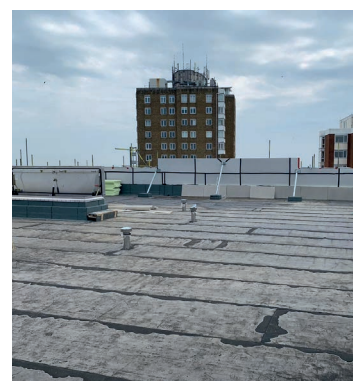


ROOFSMITHS LLP

PROJECT NAME WESSEX HOTEL

MANUFACTURER Axter Ltd

The Wessex Hotel in Bournemouth was originally built in 1891 before its demolition in 2018. Since then, the site has been heavily redeveloped, with the first phase including a new 105 room hotel. Challenges for the project included heavy rain periods that prolonged the installation. The poor substrate finish meant this had to be prepared by the contractors to ensure strong adhesion with the hot melt system. Although this wasn't a complex project, what stood out to the shortlisters was the way the project was pro-actively managed from all angles, including careful stock management during the lockdowns.



COLD APPLIED LIQUID WATERPROOFING

WESTERN FLAT ROOFING CO

PROJECT NAME CHESIL CLIFF HOUSE

MANUFACTURER Sika Liquid Plastics

This is the refurbishment of an iconic lighthouse property Chesil Cliff House in the clifftops of Croyde, North Devon. The client started work on its transformation into an art deco family home almost ten years ago and famously featured as the 'saddest episode ever' of Grand Designs when the owner ran out of money, and the project came to a halt in 2016. After raising the money to continue the project, the roof work was able to start in April 2020. The Aesthetics was extremely important to the owner and the architect, and the project's roofing elements were no different. One of the most challenging aspects of the job was the building's complex details. Working around the rotunda was particularly complex, but this was also deemed the most rewarding detail on the roof by the contractor because of its stunning visual impact once complete.



ITECH ROOFWORKS LTD

PROJECT NAME HATFIELD TUNNEL

MANUFACTURER BMI Icopal

Hatfield Tunnel on the A1(M) carries a huge volume of traffic daily, and as a result, ventilation of the tunnel from the plant rooms above is of huge importance. This major refurbishment of the failing flat roofs on all three plant rooms meant the roofs had to be stripped and reroofed. A temporary roof structure was erected above each plant room to provide shelter for the workforce, allowing maximum productivity on-site and avoiding project delays. Each of the three flat roofs posed its own challenges. Still, common amongst them was the need to address the complexities posed by the upstands, vents and hatches that are typical features of a plant room. The roofs also featured very slim gullies, and any works had to make sure that the narrow openings of the gullies were not closed. What stood out to the shortlisting team was the quality of finish that was achieved by the installers.

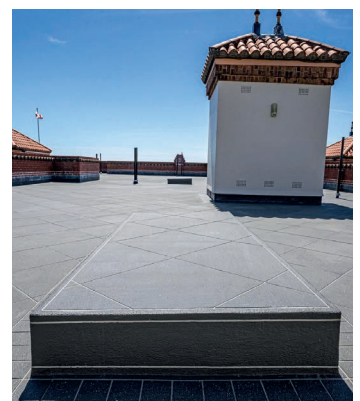


ROOFSMITHS LLP

PROJECT NAME SAN REMO TOWERS, Block E

MANUFACTURER WestWood Liquid Technologies UK

San Remo Towers is a Grade II listed development in a conservation area. The flat roof sits behind high parapets edged with pantiles, and with pantiled roofs over staircase towers. A licensed Asbestos Contractor was required after an earlier survey confirmed asbestos was present in parts of the original roof which was to be stripped. The biggest constraint was the parapet wall height which met Building Regulations whilst leaving 90 mm spare for insulation and the thermal upgrade. The project was installed by highly-experienced contractors, with a track record of installing tile effect liquid systems. The intricate grout lines were all installed by hand using 6 mm tape by one operative, an ex-signwriter with a natural eye for detail and precision. This included the diagonal design which had to maintain a straight view whilst going over raised deck areas then continuing beyond a soldier course to the entire 180 linear metre perimeter.



WEATHERWELL ROOFING LIMITED

PROJECT NAME SUTTON COURT ROAD

MANUFACTURER Sika Liquid Plastics

This new apartment block on Sutton Court Road is an impressive 21 storeys (*incorporating underground parking*), with a mix of studio, one, two, and three-bedroom apartments. The warm roof system included mineral wool insulation due to its fire performance. Due to the compressive strength of the mineral wool, the terraced areas which were to be covered with paving slabs, had an (*aqua*) panel added to ensure that the paving and foot traffic would not damage the waterproofing. This was a well-managed project by the contractor to achieve an excellent finish for the client.



MASTIC ASPHALT

SUSSEX ASPHALTE LTD

PROJECT NAME PACIFIC COURT

MANUFACTURER IKO Permaphalt

The roofing contractors remit on this project was to recover the balcony roofs as part of a wider building refurbishment. The project involved stripping the defective coverings of 40 balconies down to their flat concrete slab and laying new asphalt in two coats creating falls. To finish, all the balconies had glass-reinforced concrete tiling laid.

The mastic asphalt was laid in two, sometimes three coats so as to make sure it covered the top of the railing plates. Mastic asphalt was by far the best option for performance, durability in creating falls to prevent ponding. Coordinating the finish of all the balconies to look the same was a challenge as the railings would sometimes sit differently depending on the balcony. This meant that some railing posts required packing.



SPV GROUP

PROJECT NAME ST ANTHONY'S COLLEGE

MANUFACTURER IKO Permaphalt

Arguably one of the finer examples of 20th century architecture, St Antony's College has an impressive, coffered ceiling that reflects through and onto the external roof. The resulting pattern posed a technical issue and meant that the solution needed to be capable of following the network of raised square platforms which each housed a single rooflight. Mastic asphalt was the material chosen to replace the existing failing system as asphalt can be easily detailed around difficult features and protrusions offering a robust system that is impermeable to standing water. The main challenge of the project was that all 88 rooflights had to be individually built up from scratch. The contractor had an apprentice who worked on this project throughout, gaining valuable experience of a large scale, challenging mastic asphalt project.

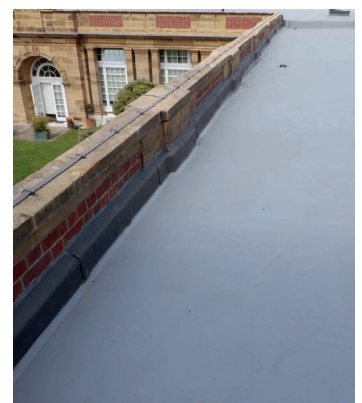


INFALLIBLE SYSTEMS LTD

PROJECT NAME SWAYLANDS HOUSE

MANUFACTURER IKO Permaphalt

Swaylands House is a Grade II listed Tudor style country house. The roofing scope was the refurbishment of the existing asphalt waterproofing whilst thermally upgrading to current building regulations and maintaining the heritage listing. The existing waterproofing and deck were stripped back and re-decked with a metal profiled deck. The contractor then installed an asphalt warm roof using a combination of tapered and flat board insulation and completed the work with solar reflective paint treatment. All details were covered with lead cover flashings in keeping with the design of the original building. The challenges to the project included the design, had to be in keeping with the heritage guidelines. Furthermore, all works had to be carried out whilst the building was occupied without disruption to the residents, which included the logistic of moving materials and plant transportation around the estate.

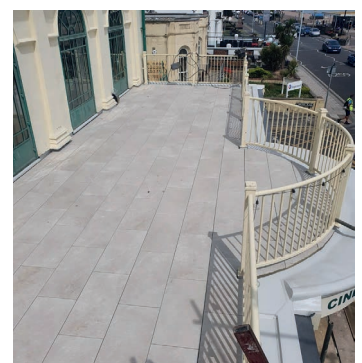


SUSSEX ASPHALTE LTD

PROJECT NAME WORTHING DOME

MANUFACTURER IKO Permaphalt

This is a roof refurbishment of a stunning Edwardian cinema originally opened in 1911. Unfortunately, the roof terrace to this iconic seafront landmark began to fail and wear in appearance. The asphalt was renewed, and new paving to the terrace was installed, creating a new watertight and stylish looking space to enjoy. The asphalt waterproofing was laid to create falls, and inverted insulation was laid with new paving making a new terrace finish. As the terrace is above the cinema reception, which was open to the public during the roof refurbishment, it was imperative not to compromise the below to any further water ingress. The contractor also had to manage, with regards to health and safety, the moving and laying of molten asphalt around the public areas.





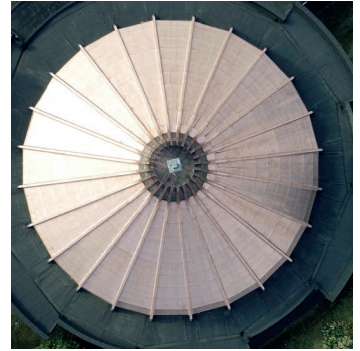
REINFORCED BITUMEN MEMBRANES

PREMIER ROOFING & CONSTRUCTION

PROJECT NAME CHURCH OF THE ENGLISH MARTYRS

MANUFACTURER Langley Waterproofing Systems

This project involved the refurbishment of 11 m tall copper Veral roof which was delaminating and allowing water into the 1970s church. The church features an unusual circular timber portal frame turret roof, creating a structure that varies in pitch as it rises. The roof also included several windows at high level. The most cost-effective solution was deemed to be to replace the existing copper faced RBM with like-for-like. This would guarantee continuity of roofing build-up and offer a good saving to the diocese who had considered changing to a full copper specification. Scaffolding and crawl boards were utilised to protect the new membrane as it was completed. The new waterproofing also had to be detailed around 24 new window units around the base of the top turret.



CWG GROUP

PROJECT NAME GUSFORD PRIMARY SCHOOL

MANUFACTURER Langley Waterproofing Systems

This project involved the refurbishment of five flat roofs at Gusford Primary School, which featured a PV panel array and a multitude of pyramids topped with rooflights—a total of 80 in number across the roof. Of the five roof areas, three had deteriorated to the point of allowing water ingress into the school building and classrooms below. Due to the urgency of the refurbishments, works were undertaken as soon as practically possible for all parties. This meant works had to begin whilst the school was open, during winter months—something that required careful planning between supplier, contractor and the client. The resulting finish is a testament to what can be achieved when duty holders work together. Constant liaison and regular communication between all parties resulted in a well-finished project.



PREMIER ROOFING SYSTEMS

PROJECT NAME NATURAL HISTORY MUSEUM, Tring

MANUFACTURER BMI Icopal

The Natural History Museum, Tring was built in 1889, and opened to the public in 1892. With the existing roof of the building nearing the end of its life, the architect, contractor, and manufacturer worked collectively to specify the ideal solution. Throughout the project, care and the quality of workmanship were paramount—both given the nature of the building and its irreplaceable contents. The installation comprised a combination of a torch application and self-adhesive hot air applied membranes to high-risk areas, ensuring no part of the roof would be at risk of damage.

Excellence in site management and clear communication were critical to ensuring these three phases could complete sequentially and successfully, resulting in the completion of the project on time, on budget, and within expectations.



LRL ROOFING SOLUTIONS

PROJECT NAME WYTHENSHAW FORUM

MANUFACTURER Bauder UK

Wythenshawe Forum hosts a variety of retail, leisure and medical facilities, and is an important community asset that Manchester City Council wanted to protect for years to come. The bulk of the project focused on the complete removal of the pitched metal overclad roof and the subsequent installation of a warm roof RBM system. Various roof sections were overhauled, across an area totalling over 6,500 m². As the building was still operational, the contractor was acutely aware that their management of the site affected users of the building, especially surrounding the hot works element of the works. Therefore, the contractor developed and delivered Safe2Torch training, consisting of two modules, firstly Fire Prevention and Combustible Material, and secondly Gas Torch Safety Awareness. This refurbishment project has been managed to the highest standards, achieving an excellent finish.



SMALL-SCALE PROJECT < £25K

M&J GROUP (CONSTRUCTION & ROOFING) LIMITED

PROJECT NAME 37 CASTLE ROAD

MANUFACTURER Various products used

This domestic project involved a loft conversion in a conservation area of Bedford. It included restoring the roof back to slate approved by the conservation office, along with slate hanging and lead work to all cappings and upright pillars, as well as a connecting RBM roof. This all had to be carried out with hot air applied materials due to the potential fire risk. A fully designed scaffold was needed due to the requirement of a temporary roof structure, to ensure safe working on a tight and restricted site. The main complexities of this project were working in a conservation area and the structural works needed to be carried out to new timber roof trusses. The lead pillars needed to be welded off-site in order not to cause a fire risk at roof level. The property owner, an avid Leeds United supporter, also requested a lead cast Yorkshire rose to be welded onto the lead work.



ROLES BRODERICK ROOFING LIMITED

PROJECT NAME THE CHEESE BARGE, Paddington Basin

MANUFACTURER Various products used

This next project is a floating cheese restaurant in the heart of London. The cladding comprised tapered and curved aluminium panels in a green colour to mimic patinated copper, with a chevron signature design along its flanks. The internal ceiling was lined in curved aluminium in a burnt orange colour with black aluminium stern panels. The most important elements were the 2 mm aluminium sheets supporting the finished 0.7 mm pre-painted Traditional Textures material. Once these sections had been fabricated and installed, it was down to the skill of the operatives to stretch and curve the thinner gauge pre-painted aluminium. Though small, the project encompassed many, if not all, of a traditional metal roofers' skills, including hand formed standing seam panels, heavy gauge post coated aluminium and aluminium interlocking box and pan cladding panels.



EMERTON ROOFING (WESTERN) LIMITED

PROJECT NAME VILLAGE HALL TURRET

MANUFACTURER Various products used

This project involved the renewal of eight oak timber posts on a village hall ventilation turret failing from previous repairs, which required a multitude of skills, including specialist mitred vertical slating, bespoke joinery and the skills of an expert lead worker. The contractor sourced 8 x 8-inch oak timbers so that the posts could return to their former glory. The lead used was a variety of codes, ranging from code 3 for the fishtail soakers to code 6 for the lead inside the turret. The Welsh green slates were saved and reused. Old photos showed that the turret originally had louvers between each oak post; the contractor reinstated these to protect against driving rain and to allow extra ventilation.

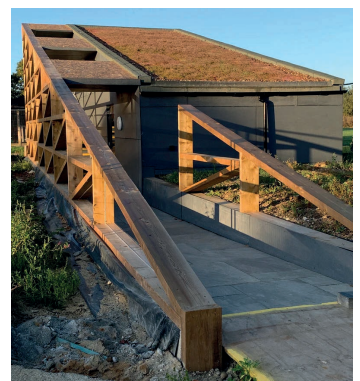


MELLS ROOFING

PROJECT NAME WRITTLE JUNIOR SCHOOL'S LEARNING POD

MANUFACTURER Langley Waterproofing Systems

Writtle Junior School embarked on a project to create a new learning space, known as 'The Pod'. The school involved the pupils in the design and construction of their 'ideal learning space'. The pupils collaborated with the architects, the roofing systems supplier, the principal contractor, and the roofing contractor, learning about the design and build process, sustainability, and careers in construction, visiting the site throughout the project. The building was funded by the local community and the companies who worked on its design and construction. The material supplier donated materials, and the roofing contractor installed the waterproofing without charge. The result features a low-pitch sedum blanket green roof above an open plan learning space.





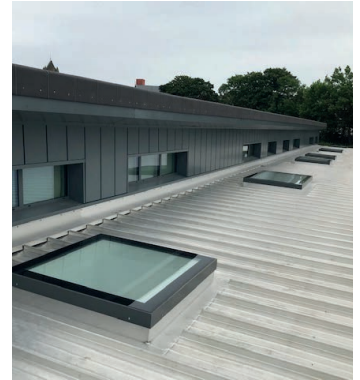
MULTI-DISCIPLINE PROJECT > £250K

BARCLAY ROOFING LIMITED

PROJECT NAME GIBSIDE SEN SCHOOL

MANUFACTURER Various products used

A purpose-designed school for children with special educational needs in Gateshead. The building features a single-storey structure with a complex roof across ten different levels. It uses three different roof types comprising of an aluminium standing seam system at three degrees pitch to the inner courtyard; fibre cement slate system at 17.5-degree pitch to the school's outer façade and single ply on the flat roof areas. As fibre cement was not suitable for a 17.5-degree roof pitch, a secondary system was introduced underneath so that the aesthetics of the roof would not change, but the roof would still function. The wall cladding consisted of both PSP aluminium planks and brick slips.



PROGRESSIVE SYSTEMS LTD

PROJECT NAME PLACES LEISURE, CAMBERLEY

MANUFACTURER Various products used

The client wanted a state-of-the-art, modern-looking building with a mix of innovative materials as this leisure centre is the company's flagship building. The roofing element was a flat single ply roof but the specification needed to change to facilitate the different internal conditions, from a swimming pool to a sports hall to recreational areas, including the requirements for enhanced acoustics. The walls had to transition from Euroclad Vieo standing seam to Corium brick slips to composite panels through to TECU gold standing seam and vertical timber features, which required a rigorous design process to ensure every intersection detail was robust. In addition, the curved drum with standing seam installed at a 30-degree angle was a world-first for the TECU Gold system.

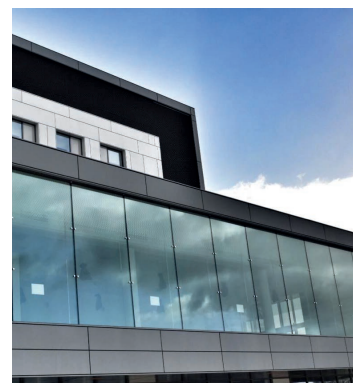


CENTRAL ROOFING SOUTH WALES LIMITED

PROJECT NAME SCCC CWMBRAN CRITICAL CARE FACILITY

MANUFACTURER Various products used

A brand new critical care unit in Cwmbran, Wales consisting of both pitched and flat roofs and rainscreen walls all fixed back to a concrete structure. The rainscreen comprised of five different materials for contrast, from aluminium cassette panels to the copper and zinc around the entrance area to the Equitone planks. As the structure was a concrete frame, a full adjustable steel support structure had to be installed first to line and level the vertical walls to the correct tolerance required for the rainscreen systems. The roof areas consisted of Euroclad SF500, standing seam, Sika liquid plastics and green roof areas.

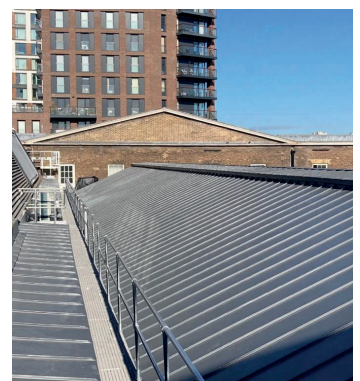


UK ROOFING SPECIALIST LIMITED

PROJECT NAME WOOLWICH CREATIVE DISTRICT

MANUFACTURER Various products used

This project restored five heritage Grade II listed buildings to create a flexible event space, rehearsal studios, rooms for community events and celebrations, bars and a café in Woolwich. The project consisted of reclaimed Spanish slate and zinc standing seam for the pitched roofing and both torch-on felt and liquid on the flat. As this was to be used as an event space, the roofs needed to have enhanced acoustics and soundproofing so were made up of numerous layers of timber, insulation, and cement particle board. Due to the various different roof constructions the contractor had also to employ a carpentry company to install these areas prior to the final roof covering being installed.





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